

On the Question of Future Supplies of Iron Ores
for the German Iron and Steel Industry, by
H. G. Schl.

GERMAN, per, Stahl und Eisen, Vol LXXXI,
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BIBI 2694

WEur - Germany
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Fundamental Relations Between Gas Utilisation,
Consumption of Carbon and Heat Balance in the
Blast Furnace, by E. Schurmann, D. Bulter.

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BISI 2679

Sci - Phys

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Jul 62

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The Equipment of New Coke Oven Plant With Measuring
and Control Apparatus and Data, by H. F.
Strahuber.

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BISI 2680

Sci - Rngr
Feb 63

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Final composition of Bath and slag in the static
Converter at different Methods of Plowing the
Second slag, by E. Schumann, H. P. Hensford,
H. Holger, et al.

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BISI 2681

Sci - Engr

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Analytical Study of Reactions Associated With the
Addition of Calcium-Containing Deoxidizers to
Steel Baths, by Walter Koch.

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HB 5425

Sci - min/metals

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Planning a Semi-Continuous Wide Hot Strip Mill,
and Experience Gained During Its Operation, by
H. Wladika.

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23 Nov 1961, pp 1599-1609.

BISI 2580

Sci- Engr

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Conclusions From an Investigation Into a Two Stand
Hot Wide Strip Mill With a Steckel Finishing
Stand, by P. Funks, W. Lueg.

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BISI 2581

Sci - engr

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Analysis of Electrical Operating Tests on a
Tandem Cold Rolling Mill, by W. Murnberg.

GERMAN, per, Stahl und Eisen, Vol LXXXI,
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BISI 2582

Sci - Engr

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Experience in the Sampling of Liquid Steel
With the Vacuum Pipette From the Electric
Furnace and the Ingot Mold, by H.
Schenck, H. Taxhet, K. G. Schmitz.

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Vol. ~~75~~ LXXXI, No 23, 1961, pp 1643-
1649.

1647-1649

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Basic Considerations on the Use of Data Processing
in Quality Control Exemplified in the Production
of ~~Ex~~ Heavy Plate, by U. Sabass.

GERMAN, per, Stahl und Eisen, Vol. LXXXI,
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BISI 2682

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Crane Installations of Low Dead Weight Made
Safe in Operation by Appropriate Design, by
H. Ernst.

GERMAN, per, Stahl und Eisen, Vol LXXXI, Nov 1961,
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BISI 3127

Sci - Engr
Apr 63

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Experiences With German Blast Furnace Gas
Turbines, by H. Mohring, H. Heilig.

GERMAN, per, Stahl und Eisen, Vol LXXXI,
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BIBI 2648

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62-12954

Bergh, S. and Jonsasson, A.
**SIMPLIFIED ELECTROLYTIC METHOD FOR THE
EXTRACTION OF NON-METALLIC INCLUSIONS.**
Feb 62, 2700 words.
Order from HB \$4.80

HB-5424

Trans. of Stahl und Eisen (West Germany) 1961, v. 81,
no. 24, pp. 1693-1696 (condensation of Jernkontoret [Stock-
holm]. Annaler (Sweden) 1961, v. 145, no. 8,
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DESCRIPTORS: *Steel, *Impurities, *Separation,
*Electrolytic cells, Particles, Slags.

(Metallurgy--Ferrous Metals, TT, v. 8, no. 2)

- I. Bergh, S.
- II. Jonsasson, A.
- III. HB-5424
- IV. Brucher, Henry,
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Office of Technical Services

Experiments and Calculations on Drawing and
Pushing-in of Rounds, by O. Pawelski, W. Lueg.

GERMAN, per, Stahl und Eisen, Vol LXXXI,
7 Dec 1961, pp 1729-1739.

BISI 2894

Sci - Engr

Jan 63

11st 161

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The Removal of Scale in Shot Blasting, by
P. U. Schmitthals.

REGERMAN, per, Stahl und Eisen, Vol LXXXI,
No 25, 1961, pp 1739-1745.

HB 5434

Sci - Engr, Min/Met
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Contribution to the Kinetics of Converter Processes,
by H. Knuppel, T. Kootz, F. Oeters.

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21 Dec 1961, pp 1804-1809.

BISI 2620

Sci - Engr

May 62

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The Basic Oxygen Furnace Process, Part II,
by T. Kootz, H. Neuhaus.

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No 26, 1961, pp 1810-1815.

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Sci - Engr
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Gas Turbines vs. Synchro-Motors for Producing
Blast for Iron and Steel Works, by W. Wittwer.

GERMAN, per, Stahl und Eisen, Vol LXXXI,
21 Dec 1961, pp 1816-1820.

BISI 2649

Sci - Engr

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Accidents in the Iron and Steel Industry in the
German Federal Republic During 1960, by
K. Heinrichsen.

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MMI 2858

WBar - Soc
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COMPARATIVE EVALUATION OF HYDROGEN CARRIERS INJECTED
INTO THE BLAST-FURNACE HEARTH. (PART I), BY
L. VON BOGDANDY, W. SCHAEFERS.

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COMPARATIVE EVALUATION OF HYDROGEN CARRIERS INJECT-
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The Heating Time of ~~8th~~ Slab Ingots in Modern
Two-Way Soaking Pits, by H. Kreulitsch.

GERMAN, per, Stahl und Eisen, Vol. LXXXII,
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BISI 2714

Sci - Engg, M/m

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Jul 62

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EFFECT OF ALUMINIUM AND NITROGEN ON THE
CHARACTERISTIC GRAIN SIZE OF CHROME-MANGANESE
CASE-HARDENING STEEL, BY W. PETER, J. WIESENECKER.

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BISI 2895

SCI - M/M

OCT 62

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The Effect of Remelting Steel in the Vacuum
Arc Furnace on the Properties of High-Strength
Structural Steels Used in the Aircraft Industry,
by H.G. Brandt, E. Reischmann.

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BIBI 3137

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Fundamentals of Production Balance Methods, by
E. Liebel.

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CRL/T. 1262

Sci-M/M

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Planning, Erection and Operational Results of
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Contributions to the Ultrasonic Inspection of Steel
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HB 5474

Sci - Min/metals

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Iron and Manganese Ore Deposits in Africa, by
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Sci -

NE/A - Africa

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Hard Metal Technology and Research, by
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SACSIR Ref: 285

Sci - Mat & Met
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Present State of Pelletizing of Iron Ores, by
K. Meyer.

GERMAN, per, Stahl und Eisen, Vol LXXXII,
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HB 5523

Sci - min/metals

Aug 62

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CRL-T 928

Decaridation of Steel With Technical
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M. Kahlster, W. Feldhaus.

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HB 5500

Sci - Min/Met
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General Discussion of "Deoxidation of Steel With
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G. Henke, et al.

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HB 5540

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NITROGEN CONTENT OF OPEN-HEARTH STEEL IN THE FURNACE,
DURING POURING, AND IN THE FINISHED PRODUCT, BY E.
HOFFKEN, T. KOOTZ.

GERMAN, PER, STAHL UND EISEN, VOL LXXXII, NO 5,
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HB 5597

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SCI - ENGR, MIN/MET
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Slag Ladles Made of Cast Steel, by A. Hencke.

GERMAN, per, Stahl und Eisen, Vol LXXXII,
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Effect of Disturbance Vibrations on the Endurance
Limit, by E. Gassner, O. Svenson, 15 pp.
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March 64

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The Influence of Chemical Composition and
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BISI 2973

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TN7 ES7 10,549
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Planning Calculation of an Aid in Steel
Preparation in a Cold Sheet Rolling Mill,
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Sci-M/M

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Investigations on the Problem of Segregation in
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H. Rellermeyer.

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BISI 2865

Sci - Engr

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On the Smelting of Steels and Alloys in Induction and Vacuum are Furnaces, by K. Bungardt, H. Vollmer.

GERMAN, per, Stahl und Eisen, Vol VII, No 3, 1962, pp 401-419.

*UKAEA
Springfield Tr 142

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Classification by Occupations of the Engineers
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GERMAN, per, Stahl und Eisen, Vol LXXXII,
29 Mar 1962, pp 420-428.

DISI 2852

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Studies of Strength, Reducibility, and Softening
Behaviour of Sinters, by G. Schwabe,
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HB 5614

Sci - Chem

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Adequate and Economic Design of Crane Installations,
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Sc1 - Engr
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BTBI 3124
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475 Tonne Ladle Handling Crane of New Design and
Low Weight, by H. Ernst.

GERMAN, per, Stahl und Eisen, Vol LXXXII,
26 Apr 1962, pp 513-517.

BISI 2991

Sci - Engr

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Improving the Running Properties of Travelling Cranes
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Wheel Axles, by A. Hofer.

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THE DEVELOPMENT OF THE WHEEL AND THE PRESENT
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WHEELS, BY O. H. LEHMANN.

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BISI 2877

SCI - ENGR

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LIST 151

Reactivity of Blast Furnace Coke and Its Relationship to Various Coking Conditions and Blast Furnace Indices, by H. Kahlhofer.

GERMAN, per, Stahl und Eisen, Vol. LXXXII, No 9, 1962, pp 547-556.

CRL/T. 1175

Sci-Fuels

Oct 63

Psychological Studies and Methodology:
Research Within the Framework of the USSR
Soviet Educational System, by K. G. G. G.

GERMAN, per. Stahl und Eisen, Vol. XXXIII,
No. 9, 1962, pp 570-574.

GRU/T. 1181

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Comparative Pu Cleanliness of Vacuum-Treated
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A. Wicher, A. Stumpf, et al.

GERMAN, per, Stahl und Eisen, Vol LXXII, No 10,
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Sci - Chem

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Planning of Automated Production Units in Steel
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GERMAN, per. Stahl und Eisen, Vol LXXXII, No 11,
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MB 5646

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Transistorized Two State ~~SYSTEM~~ Devices in Control
and Information Systems § [With Special Reference
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GERMAN, per, Stahl und Eisen, Vol LXXXII, No 11,
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RB 5647

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Jan 63

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Experiences With Transistors in Steel Mills, XXXX
by J. Foerster.

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HB 5648

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July 63

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Studies on the Possibilities of Removing the
Dust From Bottom Blown Basic Steel Converters, by
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BISI 2911

Sci - M/M
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Developments in the Manufacture of High-Strength
[Steel] Wire, by C. Eisenhuth.

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HB 5664

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Continuous Regulation of Wire Dimensions, by
O. Beck.

GERMAN, per, Stahl und Eisen, Vol LXXXII, 4
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BISI 3133

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Sci - M/M
Apr 63

Roll Flattening During the Rolling Process, by
A. Troost, H. Grofkes.

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BISI 3042

Sci - Engr
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Calculation of Time Required for the
Purging of Annealing Furnaces with a
Controlled Atmosphere, by R. Schneider.

GERMAN, per, Stahl Und Eisen, Vol LXXXII,
No 14, 1962, pp 963-966.

HB 5702

Sci-Min/Met
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THEORETICAL CONSIDERATIONS, MODEL EXPERIMENTS
AND OPERATIONAL EXPERIENCES ON THE FLOW PHENOMENA
IN SOAKING PITS, BY H. BOENECKE.

GERMAN, PER, STAHL UND EISEN, VOL LXXXII,
19 JUL 1962, PP 1009-1017.

BISI 2965

SCI - ENGR

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Continuous Control and Regulation of the Moisture
Content of Bulk Materials by Means of the Neutron
Scattering Method, by H. Neuhaus.

GERMAN, per, Stahl und Eisen, Vol LXXXII,
19 Jul 1962, pp 1017-1026.

BSI 3041

Sci - Phys

Jan 63

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Controle et reglage en continu de l'humidite des
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GERMAN to FRENCH, per, Stahl und Eisen, Vol LXXXII,
No 15, 1962, pp 1017-1026.

Reverse Translation
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Sci
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Equilibria Between Open-Hearth Slags
and Iron Melts, by H. von Ende,
F. Bardenheuer, et al.
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BISI 4264

Sci/HQM
Oct 65

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Changes in Oxygen and Nitrogen Contents When
Pouring Steel in Air, in a Controlled
Atmosphere, or in Vacuum. Part I, by J. Ba
Berve, H. Gravenhorst.

GERMAN, per, Stahl und Eisen, Vol LXXXII,
No 15, 1962, pp 1036-1041.

HB 5671

Sci- M&M
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Changes in Oxygen and Nitrogen Contents When
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or in Vacuum. Part II, by J. Berve, H. Gravenhorst

GERMAN, per, Stahl und Eisen, Vol LXXXII, No 15,
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HB 5861

Sci-Materials & Metallurgy
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Production Planning by Computer for Second-Heat
Rolling Mills, by A. F. Oberhofer, H. Kassnitz,
H. K. Wenk.

GERMAN, per, Stahl und Eisen, Vol LXXXII,
19 Jul 1962, pp 1044-1053.

BISI 3008

Sci - Electron
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Steel and Industrial Designs, by H. Schwippert.

GERMAN, per, Stahl und Eisen, Vol LXXXII, 1962,
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BISI 2974

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Data Collection and Processing - From the Past to the
Future, by K. E. Poppé.

GERMAN, per, Stahl und Eisen, Vol LXXXII, 2 Aug 1962
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BISI 3003

Sci - Misc

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Processes in the Remelting of Steel in the
/Consumable Electrode/ Vacuum Arc Furnace, by
F. Sperner, G. Persson.

GERMAN, per, ~~STEEL~~ Stahl Und Eisen, Vol LXXXII, *
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Sci-Min/Met
Jan 63

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Combined Gas Turbine - Steam Power Plant for
Producing Electric Power and Blast in an
Integrated Iron and Steel Works, by H. Zahlaus.

GERMAN, per: Stahl und Eisen, Vol LXXXII,
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Sci - Engr

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Present State of Automation in Blast Furnace
and Steelmaking Plants, by W. Lissowsky.

GERMAN, per, Stahl und Eisen, Vol. LXVIII, No
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RD 5505

FROM DE
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Influence of the Rolling Conditions, in Particular
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Properties and Notch Toughness of Plain Carbon and
Alloy Steels, by H-J. Wiester, W. Dahl.

GERMAN, per, Stahl Eisen, Vol LXXXIII, ~~Mar~~ 1962,
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*BISI 3246

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Sci - M/M
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Technical Progress in the Iron and Steel Industry,
by P. Seydel.

GERMAN, per, Stahl und Eisen, Vol LXXXII,
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Possibilities for Development of Large Area Gas
Supply With Particular Consideration of the West-
German Iron and Steel Industry, by W. Wunsch

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BICI 3046

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Sol - W/M
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Experiments on Reduction of Iron Ores in the
Rotary Kiln, by F. Lucke, H. Sarbent.

GERMAN, per, Stahl und Eisen, Vol LXXXII, 1962,
pp 1222-1232.

BISI 3063

Sci - M/M
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Experience With Cell-Type Soaking Pits for
Special Steel, by S. Heimerl.

GERMAN, per, Stahl und Eisen, Vol. LXXII, Aug 1962,
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NSI 3128

Sci - M/M
Jul 63

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Operation of Modern Sinter Plants, by H. Garbe,
G. Brandes.

GERMAN. per, Stahl und Eisen, Vol LXXXII, No 19,
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HB 5715

Sci-Min/Mat
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Possibilities of Sulfur Removal From Steel by Way of the
Gas Phase in the Basic-Oxygen Processes, by N. Neuhaus,
H. J. Langhammer, et al.
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HB 5709

Sci - M/M

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Experiments on the Production of Alloy Steels
in the Consumable-Electrode Vacuum Arc Furnace,
by W. Peter, H. Spitzer.

OREMAN, per, Stahl und Eisen, Vol LXXXII, No 19,
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HB 5700

Sci-Min/Mat
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Measures for Increasing the Output of Electric
Arc Furnaces, Part I, by A. Schoberl,
W. Holzgruber.

GERMAN, per, Stahl und Eisen, Vol LXXXII,
No 20, 1962, pp 1335-1341.

HB 5718

Sci-Engr

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Measures for Increasing the Output of Electric Arc
Furnaces. Part II, by A. Schoberl, W. Holzgruber,
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Sci-engr

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Measurement of Fumes and Dust Volumes
From 70 Ton Electric Arc Furnaces
Operated Partially on Oxygen, by
F. Harms, N. Riemann.

GERMAN, per, Stahl und Eisen, Vol LXXXII,
No 20, 1962, pp 1345-1348.

HB 5719

Sci-Min/Net
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Operating Experience With the Continuous Casting
of Low-Carbon Steel Slabs, by W. Gerling, K.H. Bauer.

GERMAN, per, Stahl und Eisen, Vol LXXXII, No 20
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HB 5720

Sci-Min/Mrt
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Segregation in Rimmed Steel Ingots (with
discussion), by K. K. Aschenborn, E. Kohler,

GERMAN, per, Stahl und Eisen, Vol LXXXII, 1962,
pp 1355-1366.

BISI 3036

Sol - M/M
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Behavior of Artificially Made Defects on
Billets of Unalloyed Steel During Subsequent
Processing, by A. Schepers, W. Bartholome.

GERMAN, per, Stahl und Eisen, Vol LXXXII,
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HB 5721

Sci- M & M
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Critical Assessment of the Trends in the Automation of Steel Plants, by O. Martin.

GERMAN, per, Stahl und Eisen, Vol LXXXII, No 20, 1962, pp 1372-1375.

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Shift of Economic Aspects by New Technical
Developments - Elucidated by the Example of
Iron and Steel Production, by H. Schenck

GERMAN, per, Stahl und Eisen, 1960, 81, 1960,
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CRL/T. 1243

Sci-M/M

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Investigations on the Surface Finish of Drawn
Steel Bars, by K. Metzner.

GERMAN, per, Stahl und Eisen, Vol LXXXII, Oct 1962,
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BISI 3172

Sci - E M/M
Apr 63

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